

JP55064736

Publication Title:

CONTROLLING OF SOIL NEMATODE

Abstract:

Abstract not available for JP55064736 Data supplied from the esp@cenet database - Worldwide

Courtesy of <http://v3.espacenet.com>

(19) Japan Patent Office (JP)

**(12) Japanese Unexamined Patent
Application Publication (A)**(11) Japanese Unexamined Patent
Application Publication Number**S55-64736**(51) Int. Cl.³
A 01 M 17/00

Identification codes

JPO file number
7704-2B

(43) Publication date: May 15, 1980

Number of inventions: 1
Request for examination: not yet requested

(Total of 2 pages)

(54) Method of expelling soil nematodes

(21) Application number S53-137642
(22) Date of application November 7, 1978
(72) Inventor Tadayuki YOSHIDA(71) Applicant 1227 Oaza Shimoyamato, Nishi-ku, Fukuoka-shi
Tadayuki YOSHIDA
(74) Agent 1227 Oaza Shimoyamato, Nishi-ku, Fukuoka-shi
Patent attorney Kenichiro MATSUO

SPECIFICATION

1. TITLE OF THE INVENTION Method of expelling soil
nematodes

2. SCOPE OF PATENT CLAIMS

1) Method of expelling soil nematodes, characterized in
that an anthelmintic agent used on the human body is
dissolved in water and spread onto the growing area.

3. DETAILED DESCRIPTION OF THE INVENTION

This invention relates to a method of expelling soil
nematodes.Plant parasitic nematodes have heretofore been a very
serious problem for agriculture. They include several hun-
dred species, the major ones being for instance root nodule
nematode, sugar beet nematode, soybean nematode and the
like, and cause extensive damage to crops.With regard to methods of expelling nematodes, by
way of cultural methods, the method of rotating in crops
not parasitized by nematodes or resistant varieties to avoid
damage and suppress the increase in nematode density has
been used, but with regard to treatment methods for expel-
ling nematodes parasitizing plants, eliminating nematodeswhich have parasitized the underground area is particularly
difficult, and there has been no method to date that makes it
possible to completely exterminate nematodes without
chemical injury to the plants. Nematodes generally live in
alkaline soils, and soils exposed to modern day pollution
are becoming alkaline due to a lack of oxygen, and as a
result of overreliance on chemicals for expelling nema-
todes, microorganisms in the soil are killed.This invention seeks to provide a method of expelling
soil nematodes which makes it possible to quickly expel
nematodes without such chemical injury.To describe an embodiment of the present invention,
anthelmintic agents used on the human body are used as
so-called vermifuges, and include *Digenea simplex*, Com-
bantrin, ethylene tetroxide, hexylresorcinol, santonin,
chenopodium oil, thymol and filmaron oil.These anthelmintic agents used on the human body are
dissolved in water to 10,000-fold solution, which is spread
onto the growing area or plants, whereupon nematodes
parasitizing the underground area and nematodes which

have invaded plants escape from the growing area or plant roots.

Spreading such anthelmintic agents dissolved in water several times causes nematodes to completely leave the growing area, having a substantial expelling effect.

Since the present invention employs anthelmintic agents used on the human body, the nematodes are intoxicated and enter a state of narcosis, and escape in a half-dead state. Furthermore, no chemical injury of any sort is caused to the soil or plants, and the effect of enabling complete expulsion of nematodes parasitizing the underground area, which was considered difficult conventionally, is obtained without side effects.

Patent applicant: Tadayuki YOSHIDA

Agent: Kenichiro MATSUO



TRANSPERFECT

STATE OF GEORGIA
CITY OF ATLANTA
COUNTY OF FULTON

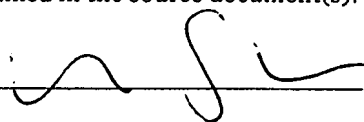
CERTIFICATION

I, Katelyn Koch, as an employee of TransPerfect Translations, Inc., do hereby certify as true and accurate the following translation from Japanese into English.

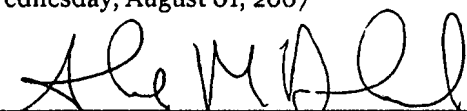
- Abstract – *Japanese Unexamined Patent Application Publication S55-64736*

TransPerfect Translations, Inc., an international ISO 9001:2000 certified translation organization with offices in thirty-eight cities, is a leader in professional translations. TransPerfect Translations, Inc. has over fifteen years experience translating from and into over 100 languages, its work being accepted by business organizations, governmental authorities and courts throughout the United States and internationally.

Moreover, TransPerfect Translations, Inc. affirms that the agents responsible for said translation(s) are qualified to translate and review documents for the above language pair, and are not a relation to any of the parties named in the source document(s).


Dated: 8.1.07

Sworn to before me this
Wednesday, August 01, 2007



Signature, Notary Public

